

**Table 69 (page 1 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

Sex, age, race, and Hispanic origin <sup>1</sup>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
Percent of population with high serum cholesterol (standard error)					
20 years and over, age adjusted <sup>4</sup> . . . . .	---	---	---	20.8 (0.6)	18.3 (0.8)
20 years and over, crude . . . . .	---	---	---	19.6 (0.6)	17.8 (0.9)
20–74 years, age adjusted <sup>4</sup>					
Both sexes . . . . .	33.3	28.6	27.8	19.7 (0.6)	18.0 (0.9)
Male . . . . .	30.6	27.9	26.4	18.8 (0.8)	17.7 (1.1)
Female . . . . .	35.6	29.1	28.8	20.5 (0.8)	18.2 (1.3)
White male . . . . .	31.3	27.9	26.4	19.1 (0.9)	---
White female . . . . .	36.2	28.9	29.2	20.7 (0.9)	---
Black male . . . . .	26.0	26.6	25.8	16.4 (1.0)	---
Black female . . . . .	31.8	30.5	26.2	19.5 (0.8)	---
White, non-Hispanic male . . . . .	---	---	26.4	18.7 (0.9)	18.2 (1.4)
White, non-Hispanic female . . . . .	---	---	29.6	20.7 (1.0)	19.4 (1.7)
Black, non-Hispanic male . . . . .	---	---	25.5	16.4 (1.0)	10.6 (2.1)
Black, non-Hispanic female . . . . .	---	---	26.3	19.9 (0.8)	16.5 (2.5)
Mexican male . . . . .	---	---	20.3	18.7 (1.5)	17.8 (1.9)
Mexican female . . . . .	---	---	20.5	17.7 (1.2)	13.1 (1.3)
20–74 years, crude					
Both sexes . . . . .	33.6	28.2	26.8	18.7 (0.6)	17.6 (0.9)
Male . . . . .	30.7	26.8	24.9	17.6 (0.7)	17.1 (1.1)
Female . . . . .	36.3	29.6	28.5	19.9 (0.8)	18.0 (1.3)
White male . . . . .	31.4	26.9	25.0	18.1 (0.8)	---
White female . . . . .	37.5	29.8	29.2	20.5 (1.0)	---
Black male . . . . .	26.7	25.1	23.9	14.4 (0.9)	---
Black female . . . . .	29.9	28.8	23.7	16.8 (0.8)	---
White, non-Hispanic male . . . . .	---	---	25.1	17.9 (0.8)	18.0 (1.4)
White, non-Hispanic female . . . . .	---	---	29.8	20.9 (1.1)	19.7 (1.7)
Black, non-Hispanic male . . . . .	---	---	23.7	14.5 (1.0)	*10.1 (2.1)
Black, non-Hispanic female . . . . .	---	---	23.7	17.2 (0.8)	15.0 (2.3)
Mexican male . . . . .	---	---	16.6	15.5 (1.3)	14.8 (2.0)
Mexican female . . . . .	---	---	16.5	14.0 (1.1)	11.1 (1.3)
Male					
20–34 years . . . . .	15.1	12.4	11.9	8.2 (0.9)	11.0 (1.5)
35–44 years . . . . .	33.9	31.8	27.9	19.4 (1.6)	21.1 (3.3)
45–54 years . . . . .	39.2	37.5	36.9	26.6 (2.3)	22.9 (3.4)
55–64 years . . . . .	41.6	36.2	36.8	28.0 (2.1)	16.5 (2.4)
65–74 years . . . . .	38.0	34.7	31.7	21.9 (2.2)	19.2 (2.8)
75 years and over . . . . .	---	---	---	20.4 (1.8)	*10.1 (2.1)
Female					
20–34 years . . . . .	12.4	10.9	9.8	7.3 (1.0)	9.3 (1.4)
35–44 years . . . . .	23.1	19.3	20.7	12.3 (1.3)	12.8 (2.5)
45–54 years . . . . .	46.9	38.7	40.5	26.7 (2.1)	23.7 (4.2)
55–64 years . . . . .	70.1	53.1	52.9	40.9 (1.9)	26.2 (3.1)
65–74 years . . . . .	68.5	57.7	51.6	41.3 (2.4)	37.4 (4.0)
75 years and over . . . . .	---	---	---	38.2 (2.2)	27.6 (2.5)

See footnotes at end of table.

**Table 69 (page 2 of 2). Serum cholesterol levels among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960–62, 1971–74, 1976–80, 1988–94, and 1999–2000**

[Data are based on physical examinations of a sample of the civilian noninstitutionalized population]

Sex, age, race, and Hispanic origin <sup>1</sup>	1960–62	1971–74	1976–80 <sup>2</sup>	1988–94 <sup>3</sup>	1999–2000 <sup>3</sup>
Mean serum cholesterol level, mg/dL (standard error)					
20 years and over, age adjusted <sup>4</sup> . . . . .	---	---	---	206 (0.7)	204 (0.9)
20 years and over, crude . . . . .	---	---	---	204 (0.8)	203 (1.0)
20–74 years, age adjusted <sup>3</sup>					
Both sexes . . . . .	222	216	215	205 (0.8)	204 (1.0)
Male . . . . .	220	216	213	204 (0.9)	204 (1.2)
Female . . . . .	224	217	216	205 (0.8)	203 (1.4)
White male . . . . .	221	216	213	204 (1.0)	---
White female . . . . .	225	217	216	206 (1.0)	---
Black male . . . . .	213	214	211	201 (1.3)	---
Black female . . . . .	218	219	215	204 (0.6)	---
White, non-Hispanic male . . . . .	---	---	213	204 (1.0)	204 (1.7)
White, non-Hispanic female . . . . .	---	---	216	206 (1.1)	206 (1.7)
Black, non-Hispanic male . . . . .	---	---	211	201 (1.3)	191 (2.4)
Black, non-Hispanic female . . . . .	---	---	216	204 (0.6)	200 (2.8)
Mexican male . . . . .	---	---	209	206 (1.6)	207 (1.7)
Mexican female . . . . .	---	---	209	204 (1.3)	198 (2.0)
20–74 years, crude					
Both sexes . . . . .	222	216	213	203 (0.8)	203 (1.1)
Male . . . . .	220	214	211	202 (1.0)	203 (1.2)
Female . . . . .	225	217	215	204 (0.9)	203 (1.5)
White male . . . . .	221	215	211	203 (1.0)	---
White female . . . . .	227	217	216	205 (1.1)	---
Black male . . . . .	214	212	208	198 (1.3)	---
Black female . . . . .	216	216	212	199 (0.7)	---
White, non-Hispanic male . . . . .	---	---	211	203 (1.1)	204 (1.7)
White, non-Hispanic female . . . . .	---	---	216	206 (1.2)	206 (1.7)
Black, non-Hispanic male . . . . .	---	---	208	198 (1.3)	190 (2.6)
Black, non-Hispanic female . . . . .	---	---	212	200 (0.7)	197 (2.8)
Mexican male . . . . .	---	---	203	200 (1.6)	203 (1.8)
Mexican female . . . . .	---	---	202	197 (1.4)	194 (2.1)
Male					
20–34 years . . . . .	198	194	192	186 (1.2)	189 (2.0)
35–44 years . . . . .	227	221	217	206 (1.6)	205 (2.8)
45–54 years . . . . .	231	229	227	216 (1.8)	215 (2.9)
55–64 years . . . . .	233	229	229	216 (2.2)	210 (2.5)
65–74 years . . . . .	230	226	221	212 (1.9)	210 (2.6)
75 years and over . . . . .	---	---	---	205 (1.9)	194 (2.4)
Female					
20–34 years . . . . .	194	191	189	184 (1.3)	186 (2.2)
35–44 years . . . . .	214	207	207	195 (1.4)	197 (2.1)
45–54 years . . . . .	237	232	232	217 (2.3)	213 (3.1)
55–64 years . . . . .	262	245	249	235 (1.6)	223 (2.8)
65–74 years . . . . .	266	250	246	233 (1.9)	229 (3.2)
75 years and over . . . . .	---	---	---	229 (2.0)	219 (2.5)

\* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error of 20–30 percent.

--- Data not available.

<sup>1</sup>The race groups, white and black, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race.

<sup>2</sup>Data for Mexicans are for 1982–84. See Appendix I.

<sup>3</sup>Standard errors of estimates for 1988–94 and 1999–2000 are shown. 1999–2000 estimates are based on a smaller sample size than estimates for earlier time periods and therefore are subject to greater sampling error.

<sup>4</sup>Age adjusted to the 2000 standard population using 5 age groups except for 1999–2000 estimates, which are age adjusted using 3 age groups (20–39, 40–59, and 60–74 or 60 and over) due to a smaller sample size; however, use of 3 rather than 5 groups had virtually no effect on age-adjusted estimates. See Appendix II, Age adjustment.

NOTES: High serum cholesterol is defined as greater than or equal to 240 mg/dL (6.20 mmol/L). Risk levels have been defined by the Second report of the National Cholesterol Education Program Expert Panel on Detection, Evaluation and Treatment of High Blood Cholesterol in Adults. National Heart, Lung, and Blood Institute, National Institutes of Health. September 1993. (Summarized in JAMA 269 (23):3015–23. June 16, 1993.)

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, Hispanic Health and Nutrition Examination Survey (1982–84), and National Health Examination Survey (1960–62).